EDITORIAL INDEX

January-June 1978 Volume 171 Numbers 3937-3942

441 Market discipline-Effective only

	ADTICLES	122	E I V
425	ARTICLES, general	133 273	Evans, L.V.
329	Aftermath of the Amoco Cadiz	43	Evans, L.V.
329	Anro Group's new Asia-Australia	214	Logan, Sir Donald
1.42	service	32	Maxwell, D.
143	At your service		Walters, P.
141	Bill & Benn	133	Wood, K.R.
32	British Shipping in 1977 and Beyond	273	Wood, K.R.
81	CAMEL North Yemen service		20011
157	Exhibitions and Conferences	1.00	BOOKS
427	International Naval Technology Expo	157	Erling D. Naess-Autobiography of a
130	Mercandia fleet expansion over the last decade	460	Shipping man
490		460	Fairplay World Shipping Yearbook
490	Mr. Srivastava talks about the latest	1.07	1978
81	IMCO regulations	157	International Manual of Marine
421	New Gulf ferry New regulations from IMCO	226	Safety
433	Offshore Brazil—Latin America's first	236	Newbuilding Market 1977
433	oil exhibition	236	Ports of the World
503	Offshore Brazil—A further look at	460	Shipbuilding Industry in the World
203	this important event	236	Yarrows 1865-1977
263	Plane Sailing—Or how to re-position		
203	your crews by air		DIESEL ENGINES
403	Posidonia '78—A preview of the	113	Mak Maschinenbau GmbH develop
403	exhibition		the M601 diesel engine and supply
83	Seaspeed ro/ro services to the Middle		the first unit
03	East	137	SWD on the selection of propulsion
329	Ship Painting Conference, Monte	222	machinery
341	Carlo April 20-21	332	VLCC to be converted from steam
123	Software computer package for		to diesel for economic reasons
1 400	customs documentation		
540	Tankers—A future source of energy		EQUIPMENT
269	Third Ship Painting and Corrosion	295	Cavity pump, Allweiler Seeberg
207	Conference highlights minimising cost	295	Compass systems, Marine Data Ltd
	and maximising efficiency theme	500	
	(See also special features)	295	De-icing system, Palmer Aero
	(See also special realization)		Products
	ADTICLES to-balant	500	Exhaust remover, Plymoth
	ARTICLES, technical	367	Fluid line connectors, Aeroquip
133	Biology of slime films, Part three	500	
273	Biology of slime films, Part four	500	
496	Consumption rate reduced by	500	
201	constant pressure turbocharging	367	Mooring aid, Flight Refuelling Ltd
261	EXT telephone exchange developed	295	
	by Horizon Electronics and Grundy	367	Surveillance control, Teddington
220	& Partners	205	Industrial Equipment Ltd
339	First newbuilding installation of	295	
40.5	Glacier-Pilgrim 'Coastguard' System	367	
485	First of the third generation of		Ltd
74	Ro/ros completing in Japan	367	
74	Inauguration of the ASRY drydock		(See also special features)
393	at Bahrain		HELDS ON THE BALES
373		400	HEARD ON THE BALTIC
113	hatch cover MaK Maschinenbau GmbH develop	439	
			continuing presence

the M601 diesel engine and supply

the first unit Redifon introduce a new series of

communications receivers Sigma Coatings introduce 'Anti-

fouling CL' at ISPCC 78 in Monte

SWD on the selection of propulsion

machinery System Harbinger for steel thickness

testing
VLCC to be converted from steam
to diesel for economic reasons

(See also special features)

AUTHORS

Callow, M.E.

Capper, A.

399

137

493

332

133

113	Mak Maschinenbau GmbH develop the M601 diesel engine and supply
137	the first unit SWD on the selection of propulsion
137	machinery
332	VLCC to be converted from steam
	to diesel for economic reasons
	EQUIPMENT
295	Cavity pump, Allweiler Seeberg
295	Compass systems, Marine Data Ltd
500	Crankshaft lathe, Granges Metalock
295	De-icing system, Palmer Aero Products
500	Exhaust remover, Plymoth
367	Fluid line connectors, Aeroquip
500	Gas storage modules, Trailer Systems
500	Hinged telegraph, Chadburn
500	Level gauges, UCC
367	Mooring aid, Flight Refuelling Ltd
295	Slipway system, Munck Group
367	Surveillance control, Teddington
	Industrial Equipment Ltd
295	Vane motor, Sperry Vickers
367	Vertisec cutter, Messer Griesheim
	Ltd
367	Winches, David Brown
	(See also special features)
	HEARD ON THE BALTIC
439	Chinese and Russians are a
	continuing presence
371	Chinese influence strongly felt on the
	market
531	Improvement in dry cargo trades not
	echoed in tanker market
301	Little to choose between drycargo
225	and oil trades last month
225	Rates take a dive after holiday
39	reprieve
39	Too few cargoes for too many ships over the past year
	over the past year
	INSURANCE
33	Another peak will be reached in the
	casualty graph
44	Cargo insurance rates cut to the bone
227	Finding the right premium for the
	risk—A faint hope?
305	Liverpool underwriters express mild
	optimism

277	when people are losing money?
373 533	
33.	who pays when a ship is seditied:
	LETTERS
384	
-	representative, Turkish Federated
	State of Cyprus
40	Mr. D. Kimber, Chairman, Austin
	& Pickersgill
	MARINE LAW
30	
	by traffic separation scheme
22	
	of liability
44	
4	valid for gross negligence
4	3 Shipping and a new law of the sea
	PEOPLE
14	
14	
1.4	marine publishing
14	
29	
36	
44	
52	
	PORTS AND TERMINALS
5	3 Antwerp
	1 Bremen/Bremerhaven
	7 European ports review
4	7 Gothenburg
4	8 Le Havre
49	
5	2 Stranraer
	(See also special features)
	SALE AND PURCHASE
4	5 Overcapacity still the name of the
	game in the sale and purchase
	market
14	
	9 Monthly
30	
37	
	5 Monthly
5.	Monthly
	SHIPBUILDERS
	7 Ailsa Shipbuilding Co Ltd, UK
12	25 A/S Bergens Mekaniske Verkstede
	Norway
1	
	James W. Cook & Co, UK
1	77 Estaleiro So, Brazil

Ferguson Brothers (Port Glasgow) Ltd, UK Fredriksstad Mek Verksted A/S,

Norway Haugesund Mek Verksted, Norway

Hitachi Shipbuilding & Engineering Co Ltd, Japan

Hitachi Shipbuilding & Engineering

Howaldtswerke-Deutsche Werft,

Co Ltd, Japan

W. Germany

107

255	Mitsui Engine Co Ltd, Japa
259	Moss Verft 1
259 203	Moss Verft, I Stocznia im I
	Poland
111	Tsuneishi Shi
221	Japan
331	Oy Wärtsilä (See also spec
	(See also spee
	SHIPOWNE
325	Australian N
111	Car Bulk Car
107	Container Fil
255	A/S Thor Da
477	Denholm Shi
125	Deutsche Rei
253	Onesimus Do
	UK
334	Esso Tankers
395	Oy Finnlines
393	Finska Angfa
	Finland
117	H.M. Gehrel
177	Global Shipp
343	Guardian Tr
259	K/S A/S Her
482	Kawasaki Ki
420	Kawasaki Ki
203 499	Leif Hoegh
251	Mitsui OSK Navale et Co
231	Paninculaira
119	Peninsulaire, Oy Navire A
107	Thames Wat
485	Red A/B Tra
171	Tsavliris (He
***	SA. Greece
331	SA, Greece V/O Sudoim
	(See also spe
	,
	SHIPREPAI
74	Inauguration
14	at Bahrain
	(See also spe
	(see also spe
	SHIPS
420	Alamo, Jap,
171	Alexandros (
***	D
177	Alvorada, G
325	Anro Austrai
499	Atlas Maru,
334	Esso Atlantic

S.A. Juliana (Spain

Kaldnes Mek Kawasaki He Kawasaki He

Kawasaki He Mitsubishi He Mitsubishi He

Mitsubishi He

Hemina, Not Hoegh Swall

Kapitan Che Lotila, Fin, 6 MH 1831, S

Northumbria

carrier, D

203

395

107

325 420 477

499

EDITORIAL INDEX

January-June 1978 Volume 171 Numbers 3937-3942

441 Market discipline-Effective only

	ADTICLES	122	E I V
425	ARTICLES, general	133 273	Evans, L.V.
329	Aftermath of the Amoco Cadiz	43	Evans, L.V.
329	Anro Group's new Asia-Australia	214	Logan, Sir Donald
1.42	service	32	Maxwell, D.
143	At your service		Walters, P.
141	Bill & Benn	133	Wood, K.R.
32	British Shipping in 1977 and Beyond	273	Wood, K.R.
81	CAMEL North Yemen service		20011
157	Exhibitions and Conferences	1.00	BOOKS
427	International Naval Technology Expo	157	Erling D. Naess-Autobiography of a
130	Mercandia fleet expansion over the last decade	460	Shipping man
490		460	Fairplay World Shipping Yearbook
490	Mr. Srivastava talks about the latest	1.07	1978
81	IMCO regulations	157	International Manual of Marine
421	New Gulf ferry New regulations from IMCO	226	Safety
433	Offshore Brazil—Latin America's first	236	Newbuilding Market 1977
433	oil exhibition	236	Ports of the World
503	Offshore Brazil—A further look at	460	Shipbuilding Industry in the World
203	this important event	236	Yarrows 1865-1977
263	Plane Sailing—Or how to re-position		
203	your crews by air		DIESEL ENGINES
403	Posidonia '78—A preview of the	113	Mak Maschinenbau GmbH develop
403	exhibition		the M601 diesel engine and supply
83	Seaspeed ro/ro services to the Middle		the first unit
03	East	137	SWD on the selection of propulsion
329	Ship Painting Conference, Monte	222	machinery
341	Carlo April 20-21	332	VLCC to be converted from steam
123	Software computer package for		to diesel for economic reasons
1 400	customs documentation		
540	Tankers—A future source of energy		EQUIPMENT
269	Third Ship Painting and Corrosion	295	Cavity pump, Allweiler Seeberg
207	Conference highlights minimising cost	295	Compass systems, Marine Data Ltd
	and maximising efficiency theme	500	
	(See also special features)	295	De-icing system, Palmer Aero
	(See also special realization)		Products
	ADTICLES to-balant	500	Exhaust remover, Plymoth
	ARTICLES, technical	367	Fluid line connectors, Aeroquip
133	Biology of slime films, Part three	500	
273	Biology of slime films, Part four	500	
496	Consumption rate reduced by	500	
201	constant pressure turbocharging	367	Mooring aid, Flight Refuelling Ltd
261	EXT telephone exchange developed	295	
	by Horizon Electronics and Grundy	367	Surveillance control, Teddington
220	& Partners	205	Industrial Equipment Ltd
339	First newbuilding installation of	295	
40.5	Glacier-Pilgrim 'Coastguard' System	367	
485	First of the third generation of		Ltd
74	Ro/ros completing in Japan	367	
74	Inauguration of the ASRY drydock		(See also special features)
393	at Bahrain		HELDS ON THE BALES
373		400	HEARD ON THE BALTIC
113	hatch cover MaK Maschinenbau GmbH develop	439	
			continuing presence

the M601 diesel engine and supply

the first unit Redifon introduce a new series of

communications receivers Sigma Coatings introduce 'Anti-

fouling CL' at ISPCC 78 in Monte

SWD on the selection of propulsion

machinery System Harbinger for steel thickness

testing
VLCC to be converted from steam
to diesel for economic reasons

(See also special features)

AUTHORS

Callow, M.E.

Capper, A.

399

137

493

332

133

113	Mak Maschinenbau GmbH develop the M601 diesel engine and supply
137	the first unit SWD on the selection of propulsion
137	machinery
332	VLCC to be converted from steam
	to diesel for economic reasons
	EQUIPMENT
295	Cavity pump, Allweiler Seeberg
295	Compass systems, Marine Data Ltd
500	Crankshaft lathe, Granges Metalock
295	De-icing system, Palmer Aero Products
500	Exhaust remover, Plymoth
367	Fluid line connectors, Aeroquip
500	Gas storage modules, Trailer Systems
500	Hinged telegraph, Chadburn
500	Level gauges, UCC
367	Mooring aid, Flight Refuelling Ltd
295	Slipway system, Munck Group
367	Surveillance control, Teddington
	Industrial Equipment Ltd
295	Vane motor, Sperry Vickers
367	Vertisec cutter, Messer Griesheim
	Ltd
367	Winches, David Brown
	(See also special features)
	HEARD ON THE BALTIC
439	Chinese and Russians are a
	continuing presence
371	Chinese influence strongly felt on the
	market
531	Improvement in dry cargo trades not
	echoed in tanker market
301	Little to choose between drycargo
225	and oil trades last month
225	Rates take a dive after holiday
39	reprieve
39	Too few cargoes for too many ships over the past year
	over the past year
	INSURANCE
33	Another peak will be reached in the
	casualty graph
44	Cargo insurance rates cut to the bone
227	Finding the right premium for the
	risk—A faint hope?
305	Liverpool underwriters express mild
	optimism

277	when people are losing money?
373 533	
33.	who pays when a ship is seditied:
	LETTERS
384	
-	representative, Turkish Federated
	State of Cyprus
40	Mr. D. Kimber, Chairman, Austin
	& Pickersgill
	MARINE LAW
30	
	by traffic separation scheme
22	
	of liability
44	
4	valid for gross negligence
4	3 Shipping and a new law of the sea
	PEOPLE
14	
14	
1.4	marine publishing
14	
29	
36	
44	
52	
	PORTS AND TERMINALS
5	3 Antwerp
	1 Bremen/Bremerhaven
	7 European ports review
4	7 Gothenburg
4	8 Le Havre
49	
5	2 Stranraer
	(See also special features)
	SALE AND PURCHASE
4	5 Overcapacity still the name of the
	game in the sale and purchase
	market
14	
	9 Monthly
30	
37	
	5 Monthly
5.	Monthly
	SHIPBUILDERS
	7 Ailsa Shipbuilding Co Ltd, UK
12	25 A/S Bergens Mekaniske Verkstede
	Norway
1	
	James W. Cook & Co, UK
1	77 Estaleiro So, Brazil

Ferguson Brothers (Port Glasgow) Ltd, UK Fredriksstad Mek Verksted A/S,

Norway Haugesund Mek Verksted, Norway

Hitachi Shipbuilding & Engineering Co Ltd, Japan

Hitachi Shipbuilding & Engineering

Howaldtswerke-Deutsche Werft,

Co Ltd, Japan

W. Germany

107

255	Mitsui Engine Co Ltd, Japa
259	Moss Verft 1
259 203	Moss Verft, I Stocznia im I
	Poland
111	Tsuneishi Shi
221	Japan
331	Oy Wärtsilä (See also spec
	(See also spee
	SHIPOWNE
325	Australian N
111	Car Bulk Car
107	Container Fil
255	A/S Thor Da
477	Denholm Shi
125	Deutsche Rei
253	Onesimus Do
	UK
334	Esso Tankers
395	Oy Finnlines
393	Finska Angfa
	Finland
117	H.M. Gehrel
177	Global Shipp
343	Guardian Tr
259	K/S A/S Her
482	Kawasaki Ki
420	Kawasaki Ki
203 499	Leif Hoegh
251	Mitsui OSK Navale et Co
231	Paninculaira
119	Peninsulaire, Oy Navire A
107	Thames Wat
485	Red A/B Tra
171	Tsavliris (He
***	SA. Greece
331	SA, Greece V/O Sudoim
	(See also spe
	,
	SHIPREPAI
74	Inauguration
14	at Bahrain
	(See also spe
	(see also spe
	SHIPS
420	Alamo, Jap,
171	Alexandros (
***	D
177	Alvorada, G
325	Anro Austrai
499	Atlas Maru,
334	Esso Atlantic

S.A. Juliana (Spain

Kaldnes Mek Kawasaki He Kawasaki He

Kawasaki He Mitsubishi He Mitsubishi He

Mitsubishi He

Hemina, Not Hoegh Swall

Kapitan Che Lotila, Fin, 6 MH 1831, S

Northumbria

carrier, D

203

395

107

325 420 477

499

Ma	MONTH January February March April May June	32-157 168-236 250-310 324-384 392-460 476-538			Blk C C Cont LNG LPG LASH OBO	general cargo ship container ship liquefied natural gas carrier liquefied petroleum gas carrier lighter aboard ship
Ma	February March April May June repair number with	168-236 250-310 324-384 392-460			C Cont LNG LPG LASH OBO	general cargo ship container ship liquefied natural gas carrier liquefied petroleum gas carrier d
Ma	February March April May June repair number with	168-236 250-310 324-384 392-460			LNG LPG LASH OBO	liquefied natural gas carrier liquefied petroleum gas carrier d lighter aboard ship
Ma	March April May June repair number with	250–310 324–384 392–460			OBO	d lighter aboard ship
Ma	April May June repair number with	324–384 392–460			OBO	
Ma	May June repair number with	392-460			UC	
Ma	June repair number with				O/OC	
Ma	repair number with	470-338			Pass Ref.	passenger ship
Ma					Ro/ro Tkr	o rollon /roll off ship tanker
	ay issue	15-71			full)	r specialist types normally stated in
	news with				DE	diesel-electric
Ma	ay issue				GT	gas -turbine
2.42			2.52			turbo-electric
393	Pollux, Fin, C, D	Ro/ro, D		Suez Canal operations		Installation of crude washing gear at sea
119	Rolita, Fin, Ro/ro, D		361	Crane testing of offshore units		Marine services from LASEC Marland sewage system unit
125 482	Rostock, E. Ger, Train for	erry, D C. D	363	Delattre-Levivier supply yard cranes		installed on QE2 Megator pump sets for oil slick
117	Steinhoft, W. Ger, Cont,	D	355	Engine room crane from Thofex		dispersal
107 255	Thorscape, Nor. C. D	ner, D				Navire anti-pollution vessel Northumbrian Water and Thames—
251	Ville d'Anvers, Fre, C, D			Voss		Two new sludge vessels
			359	Linden crane for Gotaverken		Oil skimmer from Oil Mop Oil/Water separators from Hyde
			347 362	Maiden voyage of the Mirabella Slewing jib cranes from Herbert		Products
297				Morris Ltd		SAFETY AT SEA
	Miscellaneous		349	transportation	511	Collision Avoidance Aids discussed
			362		523	by Decca Radar Ltd Double-decker lanterns from AGA
153			349	Transportation of barges from		Enclosed survival craft developed by
232	Monthly		355		519	Aberglen endures trial by fire First generation of standby/safety
	Monthly			Ltd		vessels for North Sea operations introduced by Safetyships Ltd
449	Monthly				513	Fixed foam generator unit developed
230	Woltdiny			NAVAL REVIEW	519	by Telegan Gas detection equipment for oil rigs
		KS	293		523	Neotronics portable oxygen ana-
			287	Mine counter measure vessels from		lysers introduced
382	UK		277			SHIPREPAIR
			285	Silver Jubilee Review at Spithead	41	European Notes and News
			203	Experimental and Electronic		Scandinavia West Germany
				Laboratories		Netherlands
171		Claire A.				France Portugal
	Tsavliris—Newbuilding	arriers from		NAVIGATION AND TELECOM-	16	Greece Interview with John Wilde
	CCN		91			Overcapacity as more repair facilities
177			85	Marisat communications terminal	61	Rest of the World notes
102	owners		86	Omega Navigator from Navidyne		South Africa Middle East
	paying dividends		94 92		40	Far East
169			91	Series A System from Kelvin Hughes	19	UK regional reports Southampton
183	Hamworthy strengthens	its Brazilian	94	Tracor Automatic Omega Weather forecasting		North East Coast
183	Joint operation in Rio	by Svenska		•		North West West of England
	Flaktfabriken and Stal	Refrigeration		OFFSHORE		Belfast Thames and East Coast
	developments		193	Atlantic II commences operations		Scotland
181	Santos port improved b	y the removal	195	Ninian central platform nears completion		
173	Varicargo-New design		191	Northern Installer-Multi-purpose	67	US FEATURE 'Ecology' tankers and conversion
	purpose snip from Can	cco	193	Scheepswerf Ysselwerf convert	01	work at Sun Shipbuilding and
	BRITISH SHIPBUILE	DERS	192	Star Pegasus to diving support ship	60	Shiprepairing 80%—20% steel/outfitting operation
	British Shipbuilders-S	tatistics		designed support craft		at Seatrain
211	Shipbuilding and marin		199	Self-setting production platform from Bethlehem Steel		General Dynamics
	twin industries. But car				59	Norfolk Shiprepair expand facilities for El Paso contract
216		s—Tankers		BOLLUTION AND TANK	55	Review of the Shipbuilding and
				CLEANING		Shiprepairing industries in the US East Coast area
		CRANE		Frank Mohn Oil Skimmer unit	56	Shipbuilding and Shiprepairing activities at Bethlehem Steel
347	Another heavy lift deli-	very from		High speed oil defence boat from	63	
	393 393 3119 125 482 117 107 2255 477 1111 297 365 153 232 308 449 536 234 310 382 344 310 382 382 311 177 183 183 183 183 181 173 216	939 Pollux, Fin, C, D 730 Rocquaine, UK, C, D 740 Rostock, E. Ger, Train f 7482 Shurry Express, Lib, Blk 75 Steinhoft, W. Ger, Cont, 75 Thorscape, Nor, C, D 75 Ville d'Auvers, Fre, C, D 76 Wellpark, UK, Blk C, D 77 Wellpark, UK, Blk C, D 78 Miscellaneous 74 RD BUSINESS 75 Monthly 76 Monthly 77 Monthly 78 Monthly 78 Monthly 79 Monthly 79 Monthly 70 Monthly 71 Alexandros G. Tsavliris/Tsavliris—Newbuilding 75 PRI—26/15 type bulk c 75 CCN 76 Morada/Aurora—First 76 Series from Estaleiro So 76 Ompanhia Comercio e 77 Morada/Aurora—First 78 Series from Estaleiro So 78 Camrex involvement in 79 paying dividends 79 Companhia Comercio e 70 CCN specialists in sta 70 Harward Aurora—First 70 Series from Estaleiro So 71 Series from Estaleiro So 71 Series from Estaleiro So 71 Series from Estaleiro So 72 Series from Estaleiro So 73 Series from Estaleiro So 74 Series from Estaleiro So 75 Series from Estaleiro So 76 Series from Estaleiro So 77 Series from Estaleiro So 77 Series from Estaleiro So 78 Series f	253 Rocquaine, UK, C, D 19 Rolita, Fin, Ro/ro, D 125 Rostock, E. Ger, Train ferry, D 182 Slurry Express, Lib, Blk C, D 187 Thames, UK, Sludge carrier, D 187 Thorscape, Nor, C, D 187 Wellpark, UK, Blk C, D 188 Miscellaneous 188 Miscellaneous 189 Monthly 180 Monthly 180 Monthly 181 Monthly 182 WK 181 Foreign 182 UK 183 Foreign 184 UK 185 Foreign 185 WK 186 Foreign 186 WK 187 Foreign 187 Welvards G. Tsavliris/Claire A. Tsavliris—Newbuilding PRI—26/15 type bulk carriers from CCN 187 Alexandros G. Tsavliris/Claire A. Tsavliris—Newbuilding PRI—26/15 type bulk carriers from CCN 187 Alvorada/Aurora—First two in a series from Estaleiro So for Greek owners 188 Camrex involvement in Brazil paying dividends 189 Companhia Comercio e Navegacao (CCN) specialists in standard ships Hamworthy strengthens its Brazilian connection 180 Joint operation in Rio by Svenska Flaktfabriken and Stal Refrigeration Offshore Brazil—A look at the latest developments 180 Santos port improved by the removal of rocks by blasting 180 Trist SHIPBUILDERS 181 BRITISH SHIPBUILDERS 182 British Shipbuilders—Statistics First six months 183 Shipbuilding and marine equipment, twin industries. But can they cooperate? 184 Standard British designs—Tankers HEAYY LIFT AND CRANE FEATURE 184 Another heavy lift delivery from		Special Fin, Rolyo, D 198 Rolita, Fin, Rolyo, D 199 Rolita, Fin, Rolyo, D 190 Rolita, Fin, Rolyo, D 190 Rolita, Fin, Rolyo, D 191 Steinhoft, W. Ger, Cont, D 191 Thames, UK, Sludge carrier, D 192 Thorscape, Nor, C, D 193 Trader, Lib, Blk C, D 194 Wellpark, UK, Blk C, D 195 Thorscape, Nor, C, D 195 Thorscape, Nor, C, D 196 Thames, UK, Sludge carrier, D 197 Thames, UK, Sludge carrier, D 198 Trader, Lib, Blk C, D 199 Trader, Lib, Blk C, D 190 Trader, Lib, Blk C, D 191 Ysi Trader, Lib, Blk C, D 191 Ysi Trader, Lib, Blk C, D 192 TRADE 193 Miscellaneous 194 Miscellaneous 195 Miscellaneous 195 Miscellaneous 196 Monthly 197 Monthly 198 Monthly 199 Monthly 190 Monthly 190 Monthly 191 Monthly 192 Monthly 193 Monthly 194 Transportation 195 Poreign 195 VARD ORDER BOOKS 194 UK 195 Poreign 196 Poreign 197 Alexandros G. Tsavliris/Claire A. Tsavliris—Newbuilding PRI—26/15 type bulk carriers from CCN where woners 198 Camres involvement in Brazil paying dividends owners 198 Camres involvement in Brazil paying dividends or series from Estaleiro So for Greek owners 198 Camres involvement in Brazil paying dividends of rocks by blasting ornaccion in Rio by Svenska Flatfisher Brazil—A look at the latest developments 198 Santos port improved by the removal of rocks by blasting ornaccion ornaccio	Special State Special Stat

Shipping World & Shipbuilder

EDITORIAL INDEX

IMU

July-December 1978 Volume 171 Numbers 3931-3948

991	ARTICLES, General Applications of steel tube in the	985	DIESEL ENGINES Sulzer RLA56 crosshead engine—built	645 705	PEOPLE Miscellaneous Miscellaneous	797	Per Henriks Lars Johans Neptun Tra
994 995	marine industry Boogabilla, new ro/ro now in service Europort '78 exhibition preview		to match the future low-output power demand (see also special features)	839 917	Miscellaneous Miscellaneous		AB, Swed Ocean Aries
665	Exhibitions and conferences		reactives)	1051	Miscellaneous	-	Panama
795	First task for IMCO's marine safety corps	037	EQUIPMENT	1131	Miscellaneous	961 955	Palm Line I State Corpo
893	Gastech 78 conference and exhibition preview	837 642	Alarm module, GP-Elliott Axial fans, ETRI			695	Bulgaria Em Z. Svitz
821	Hamburg 1978—preview	837 837	Blast cleaning unit, Hodge Clemco Centrifugal separator, Alfa-Laval	640	PORTS AND TERMINALS Royal Portbury Dock, Bristol		Denmark
629	ISPCC 78—Monte Carlo Conference discusses problems in the marine paint industry	993 837	Compressors, Compair Corrosion control, F. A. Hughes			637	United Inte Transpor Stoomvaart
680	LNG fire-fighting training film introduced	642 837	Dial thermometer, Negretti & Zambra Diesel revolution readings, Walter	571	SALE AND PURCHASE A slight upturn in secondhand values	0,,	Holland (see also
683	Marine activities of Redland	993	Krupp Flange support, Julius Kohn	651	—how long can it be maintained?		(000 8100
835	International Oil pollution—prevention and control,	642	Haircut scrubber	709	Monthly Monthly		
886	IOPPEC 78 preview Strange case of Thew Engineering	642 993	Hydraulic grabs, Butters Cranes Live line indicators, Seward	845 921	Monthly Monthly		SHIPS
901	Tanker market views by Ron Rider	002	Eversafe	1051	Monthly	701	Abeille Nor
	(see also special features)	993 642	Lubrication safeguard, Nycal Marine spreader, Brissonneau & Lotz	1137	Monthly	797	Provence, F Bandar Abb ro, D
	A DOTTON FOR THE A STATE OF	642	Pressure relief valve, Sperry Vickers		CHIRDLIN DEDC	793 875	Bokuho, Pa City of Plyi
805	ARTICLES, Technical A & P Appledore's role in the	837	Tapered roller bearings, KaMeWa (see also special features)	605	SHIPBUILDERS Aalborg Vaerft A/S, Denmark	605	Dana Angli
	reconstruction scheme		(are the special control,	875	Appledore Shipbuilders Ltd, UK	1091	Dana Maxi
989	BBC announce the VTR 454 turbo- charger		HEARD ON THE BALTIC	701 637	Beliard Murdoch SA, Belgium Bremer Vulkan Schiffbau und	637 621	Dart Canad DeLoris, B
801	Cammell Laird modernises its Birkenhead yard to enhance	918	Better demand in drycargo trades— Chinese again prominent	621	Maschinenfabrik, West Germany Cockerill Yards Hoboken, Belgium	955	Geroite Na D
	production facilities	649 1053	Brokers being hit by shipping slump Buyers of secondhand ships could be	637	Construction Navales et Industrielles	785	Hellenic Ex
1119	Fuels and Lubricants—new developments		overpaying in the near future	681	de la Mediterranee, France Frederikshavn Vaerft A/S, Denmark	961 681	Hull 741, C Mercandian
1097	New range of Froude Dynamometers	841	Layup schemes appear not to be the answer due to insufficient support	955	Fredriksstad Mek Verk, Norway		Ro/ro, I
625 798	Planned maintenance for the <i>DeLoris</i> Review of the marine industries in	1132	Premature to suggest that the current mini-boom is over prices levelling	1091	Hitachi Shipbuilding & Engineering Co Ltd, Japan	881 637 677	Neptun Sue Oriental Re Prinses Bea
631	Standard bulkers from British	706	off Weakening rates a reflection of	793	P. Hoivolds Mek Verk Ltd, Norway Ishikawajima-Harima Heavy	695	Svitzer Jara (see also sp
985	Shipbuilders Sulzer RLA56 crosshead engine-built to match the future low-output power		seasonal restraint	797 785	Industries Co Ltd, Japan A/B Oskarshamns Varv, Oskarshamr Sasebo Heavy Industries Co Ltd,	n	(see also sp
637	demand Two new vessels delivered to C. Y.	919	INSURANCE	961	Japan Sunderland Shipbuilders, UK		
	Tung	919	Competition for insurance continues to be fierce	881	Ulstein Hatlo AS, Norway	643	TRADE Miscellane
639	Unconventional ferry design developed in Sweden	565	Financial and legal liabilities on the increase	677	Verolme Scheepswerf, Holland (see also special features)	704 915	Miscellane Miscellane
998	Unusual method of launching developed in Sweden	707	Greeks protest at London flag 'discrimination'			1049 1129	Miscellane Miscellane
	(see also special features)	1057	Rising repair costs counteract		SHIPBUILDING	1129	Miscellane
		1135	pressure for reduced premiums Communications becoming a	805			
	AUTHORS		problem—causing problems on the London Market	801	Cammell Laird modernises its		YARD BU
625 691	Andrews, C. R. Hebden, D.		the London Market		Birkenhead yard to enhance production facilities	652 712	Monthly
071	Teodon, D.	913	LETTERS H. G. W. Webley	979	Sunderland Shipbuilders look to the future with confidence	848 924	Monthly Monthly Monthly
***	BOOKS				(see also special features)	1063 1140	Monthly Monthly
665	Cargo access equipment for merchant ships	647	MARINE LAW Carrier's liability changed by new			1140	Withinity
702	International Shipping and Ship-		Hamburg Rules	70.	SHIPOWNERS		
702	equipment malfunction and systems	1055	building contract a question of identification	637	Allocean Container Transports Ltd, Hong Kong	655	YARD O
913	failure in the marine industry Port planning in developing countries	1133	Dispute about the amount of cargo delivered after vessel's stranding	621	Antwerp Bulkcarriers NV, Belgium	714	UK
	-a case description		Dispute concerning who has the	109	DFDS A/S, Denmark	851 926	
913		625	right of salvage	875		1067	Foreign

			MONTH July August September October November December	564-665 676-715 740-855 874-927 954-1071 1089-1143					SHIPS I Blk C C Blk C Cont LNG LPG LASH OBO OC	bulk carrier general cargo ship bulk carrier container ship liquefied natural gas carrier liquefied petroleum gas carrier lighter abroad ship ore/bulk/oil carrier
	Diocol	nai	200	Supplements			_		O/OC	ore/oil carrier
	July EEC	y iss		611-618			ember issue	1099-1117	Pass Ref Ro/ro	passenger ship refrigerated cargo ship roll on/roll off ship
		y iss	sue	573-577	Sili	Sept	rnishing ember issue	809-818	Tkr	tanker very large crude carrier
			Ships' gear	E02 602	Shi	orepa	ir feature	1001 1047		r specialist types normally stated
	Polish f	y is:		583-603	Shi		ember issue equipment	1001-1047	D	diesel
	-		ber issue d Salvage	743-779			ber issue	905-911	DE GT T	diesel-electric gas turbine turbine
	Au	gus	tissue	687-702	_				TE	turbo-electric
riksen, Denmark ansson, Sweden Transport & Marine Se	ervice		SPECIAL FEA				Review of the la	quipment industry atest developments in arine industries		Lloydsman drydocked at Nafsi New repair facility to be located in Canada
weden ries Tankship Co SA,	6		DIESEL ENGI Latest developn	NES nents in the diesel		779	located in Pol- Shiprepair indus		1029 1035	New 8500 t floating dock for Valmet New 170 000 dwt drydock in Dunkirk
na ne Ltd, UK			engine marke MaK in Denma	t			Western equipm		1047 1045	Personnel changes at Globe 'Scan' gets Japanese classification
rporation of Bulgaria,	6	11	New DZ engine	from Anglo Belg	gium				1043	Shiprepair activities at Vosper Ship-
rıa vitzers Salvage Co Ltd,			Perkins engines Pielstick develo		G-DS	1105	SAFETY AT SI Amlab develop	EA acoustic and moni-	1003	repairers Sign of the times—a drydock for sale
ark international Container		18	Ruston diesels	offer package dealuilds the Z40/48 d	1			s for the commercial	1021	Soviet Union order floating dock from Gotaverken
ports, Hong Kong art Maatschappij Zeela			engine from S		ireser	1113	Fire and safety I to the Plymou	aunch is new addition of small	1021 1019	Stratheden drydocked on the Thames Sun Shipbuilding & Drydock Co
nd lso special features)						1101 1117		l reorganise areas g system proves its	1031	repair a bridge Three major conversion and refit contracts won by Tyne Shiprepair
		73	Shipbuilding—	a' is the market? A programme of i	re-	1111	worth with or worldwide New DOT Rule	ders being secured s welcomed by Pains-		Wärtsilä also convert the Ilmatar
Normandie and Abeille e, Fre, Tug, D	5	77	organisation Shipping—A un	nited policy for the	e nine		to be prepare		1013	Wärtsilä lengthen the Song of Norway
Abbas Express, Swed, R						1103		ers from Nu-Swift greater efficiency		SHIPYARD EQUIPMENT
Pan, Tkr, D						1103	Nordisk expand	in the supply and	909	Acoustic screen for noise reducing
Plymouth, UK, Cont, D nglia, Den, Pass, D				SHIPS' GEAR new developments	o t	1107	Rescue boat fro	fe-saving equipment m Harding complies	909	American mobile work platforms available in the UK
laxima, Den, Ro/ro, D			Norcontrol			1101	with new Norwe	egian regulations d on an automatic	907	ESAB'S method for accurate precision welding introduced
mada, UK, Cont, D	6	001	Anti-pollution (equipment—Fran	k		alerting devic		909 911	Hydranautics shiplift fitted in Italy
Na Odessa, Bul, Train	ferry, 5	599	Bow loading sy operations	stem for North S	ea		Logistics		911	Lighting for engine works installed
Explorer, Gre, Ro/ro,	D (503	Engine room n	nonitoring equipm	ent—	1099	Traffic separation Casquets	on scheme off the	911 905	Portable welders from Massey Coggins Simon Engineering expand in the USA
I, C, D dian Transporter II, Des	n, (593		ng system develop	ed by	1109	Unique fire reta established in	ardant wood products	907	Vianova develop Magnemag lifting device
o, D Suecia, Swed, Tug, D		583	NEBB Per Smith-Kiel	lland talks about	the	1099	Use of films mo	ore in evidence for		201100
l Researcher, Lib, Cont Beatrix, Dut, Pass, D Jarl, Den, Tug, D	, T		future of the gear industry	Norwegian ships	,	1115	major casualt Vessel introduc	ed by Redifon and	701	TOWAGE AND SALVAGE Abeille Normandie and Abeille
o special features)			floating LNC	G plant			Watercraft fo	or operational training	697	Provence Activities at North British Maritime
		596	New floating d	lock for Trondhje	ms		SHIP'S FURN	ISHING	691	Group—formerly United Towing Cure and no Pay?
	4	587	Nornews Compass order	r for Liaaen		818	Fire-resistant fi	ttings improve	702	Damen introduce the Stan Tug Developments at International Trans-
aneous			US Navy orde Ulstein opens	rs incinerators		818 816	Safe Astoria, pi	urpose-built	687	port Co
aneous aneous			New elevator f	for the paper indu		809	TV entertainme		699 693	Russian salvage vessels ordered Successful salvage operation
aneous		585	British and No Problem of lai	orwegian co-opera d-up tonnage	tion				695	completed by Bureau Wijsmuller Svitzer Jarl
aneous		601 603		usiness-Harding		1047			689	
BUSINESS						1045 1029	Al Andalus dry	docked at Sembawang	3	
ly			POLISH FEA	TURE		1043		verted at HUD in Great Britain		
ly Iv		757	Ferries from S	szczecin shipyard		1001	Continuing sag	a of Thew Engineerin	g	
ly ly ly ly		764 769	Future of Poli	rators for Poland sh Ocean Lines		1023 1008	Deep Sea Seals	the Vickers Voyager test stern shaft on th	e	
ly		751		ook for Gdynia re	emains	3	Texaco Roch operational	ester after four year period		
		755	Gdansk shipya	ard continues to pr	roduce	1041		ility available in		
		767	Healthy future	alised vessels e for Cegielski		1039	Floating dock			
ORDER BOOKS		746	Centromor, the Polish s	wiak, general dire talks about the fu hipbuilding indus	ture o	ľ	Independent S	pair lengthen two palle hiprepairers Ltd gain		
n n		773 759 777	New containe	r port at Gdynia ard from Elmer		1041	operation	on after two years in ed 'Hansa' jumboising		
		775	Polish fishing				contract			